

L 01233-66
ACCESSION NR: AP5021721

ENCLOSURE: 01

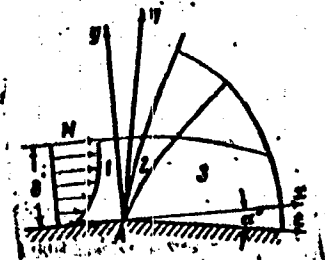


Fig. 1.

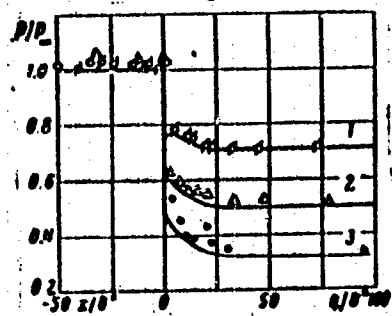


Fig. 2.

Cord ^{Kc}
3/3

L 32188-66 EWP(m)/EWT(1)/EWT(m) WN/JW/RM
ACC NR: AP6010860 SOURCE CODE: UR/0421/66/000/001/0153/0161

AUTHOR: Ashratov, E. A. (Moscow)

68
B

ORG: none

TITLE: Calculation of the axisymmetrical stream flowing from a nozzle at a pressure lower than that of the surrounding medium

SOURCE: AN SSSR. Izvestiya. Mekhanika zhidkosti i gaza, no. 1, 1966, 158-161

TOPIC TAGS: axisymmetric flow, axisymmetric nozzle, supersonic flow, *HIGH PRESSURE*, *FLOW DENSITY*

ABSTRACT: The problem of a supersonic axisymmetric stream in an environment of higher pressure is investigated by a method which accounts for subsonic flow near the symmetry axis. The problem is characterized by a density discontinuity at the nozzle. Cylindrical coordinates are used with the Mach number of the free stream, relative heat capacity and relative pressure referred to ambient conditions as parameters. The computation method first determines the point where density discontinuity branches out into one going toward the free streamlines and the other toward the axis of symmetry. This method of characteristics is used to integrate the equations of motion. The computations were made for the reference Mach number of 2.8 and 3.2 for various ratios of pressures. The comparison of numerical computations with the experimental data proves the effectiveness of the method used for the determination of the structure of the initial section of such an axisymmetric stream. Orig. art. has: 3 figures, 1 formula.

SUB CODE: 20/ SUBM DATE: 09Mar65/ ORIG REF: 002

Cord 1/1 LS

ASHRATOVA, S. K.

ASHRATOVA, S. K. -- "SHAPING OF THE EDGE OF LEATHER PARTS OF A SEMIFINISHED PRODUCT UNDER HIGH TEMPERATURES." SUB 27 JUN 52, MOSCOW TECHNOLOGICAL INST OF LIGHT INDUSTRY IMENI L. M. KAGANOVICH (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCES)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

ASHRATOVA, S.K.; POPOV, M.M.; GERCHIKOVA, N.S.

Increasing precision in assembling footwear upper parts. Leg.
prom.15 no.8:24-25 Ag '55. (MLRA 8:10)
(Shoe industry)

ASHRATOVA, S.K., kandidat tekhnicheskikh nauk; KAPUSTIN, I.I., doktor
~~tekhnicheskikh nauk.~~

Ways of increasing the productivity of sewing machines in the
shoe industry. Leg. prom. 17 no.1:25-28 Ja '57. (MLRA 10:2)

(Shoe machinery)

ASHRATOVA, Sofiya Kamalovna; VINOGRADOVA, Ye.K., retsenzent; GRACHEVA,
A.V., red.; KNAKNIN, M.T., tekhn.red.

[Finishing the edges of shoe uppers] Otdelka kraev detalei
verkhov obuvi. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po legkoi
promyshl., 1959. 183 p. (MIRA 13:5)
(Shoe manufacture)

ASHRATOVA, S.K.; LAPSHIN, V.P.

New sewing machines for the shoe industry. Kozh.-obuv.prom.
no.4:19-23 Ap '59. (MIRA 12:7)
(Sewing machines) (Shoe machinery)

ASHRATOVA, S.K., kand.tekhn.nauk; LAPSHIN, V.P., inzh.

Standardization of the thickness of shoe upper parts. Izv.vys.ucheb.
zav.; tekhn.prom. no.6:82-90 '60. (MIRA 1411)

1. Tsentral'nyy nauchno-issledovatel'skiy institut koshevenno-
obuvnoy promyshlennosti. Rekomendovana kafedroy tekhnologii obuvnogo
proizvodstva Kiyevskogo tekhnologicheskogo instituta legkoy promy-
shlennosti.

(Shoe manufacture--Standards)

ASHRATOVA, Sof'ya Kemalevna; ALMAZOV, Viktor Mikhaylovich; GRACHEVA,
A.V., red.; BATYREVA, G.G., tekhn. red.

[Single-thread column Class 201 sewing machine for stitching
the welt to the shoe upper] Odnonitochnaia kolonkovaia shveinaia
mashina 201 klassa dlia pristrochki ranta k zagotovke. Moskva,
Rostekhnizdat, 1962. 79 p. (MIRA 15:9)

(Shoe machinery)

ASHRATOVA, Sof'ya Kema'levna; VLASKINA, Lidiya Sergeyevna; GRACHEVA,
A.V., red.; TRISHINA, L.A., tekhn. red.

[New rapid-sewing machines of classes 83, 93, and 49 for the
assembly and stitching of Russian leather shoe parts] Novye
bystrokhodnye shveinye mashiny dlia sborki zagotovok iuftevoi
obuvi 83, 93, i 49 klassov. Moskva, Rostekhnizdat, 1962. 119 p.
(Shoe machinery) (MIRA 15:7)

ASHRATOVA, S.K.

New sewing machines for shoe manufacture. Kozh.-obuv.prom.
4 no.9:10-15 S '62. (MIRA 15:9)
(Shoe machinery)

MURAV'YEV, M.I.; KARASIK, Z.S.; OKUN', B.D.; TRUSHIN, S.A.;
ASHRATOVA, S.K., kand. tekhn. nauk; GOROKHOVSKIY, A.I.;
LAPSHIN, V.P., inzh., retsenzent; STESHOV, I.I., red.;
MINAYEVA, T.M., red.

[Handbook for a shoe industry worker] Spravochnik obuvshchika.
Moskva, Gizlegprom. Vol.3. 1963. 505 p. (MIRA 17:5)

ASHRATOVA, S.R.; SOKOLOV, V.N.

New trends in the design of shoe sewing machines. Kozh.-obuv.prom.
7 no.3:18-20 Mr '65. (MIRA 18:10)

USSR/Chemistry - Filter Material

ASHRATOVA, Sh. K.

FD 174

Card 1/1

Author : Panasyuk, V. I., Ashratova, Sh. K., and Kozhukhova, N. V.

Title : Concerning glass fabrics for filtration purposes

Periodical : Khim. prom. 3, 41-43 (169-171), April-May 1954

Abstract : Lists the properties of the two grades of glass fibers manufactured in the USSR (aluminum-magnesium glass and aluminum-borosilicate "alkali-free" glass) and discusses the use of fabrics made of these fibers for industrial filtrations of solutions, protection against smoke, gases, and dust, as material for anode and cathode bags, and as diaphragms in electroplating, electropolishing and electrolysis. Data are listed in 2 tables. 8 USSR references are appended.

Institution : All-Union Scientific Research Institute of Glass Fibers

ASHRATOVA, Sh. K.

32-9-10/43

AUTHOR: Ashratova, Sh. K.

TITLE: Determination of the Fluorine Ion in the Cryolite by Applying the Ion Exchange Chromatography (Opredeleniye ftor-ionov v kriolite s primeneniym ionoobmennoy khromatografii)

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 9, pp.1064-1065 (USSR)

ABSTRACT:

Here an economical and quick method was worked out on the basis of passing the cryolite solution through the cationite column in the form of hydrogen. The aluminum and sodium ions are separated from the fluorine and the developing HF is determined in the filtrate by titrating the sodium hydroxide with the solution under presence of red phenol. For producing a fluorine-proof column here the methacrylic-resin was used. For the purpose of transferring the cryolite into dissolved condition melting with lye solutions proved to be impractical and another method was chosen. In this method the solubility of the cryolite when being heated was made use of. The recommended method for fluorine separation is introduced. In the analysis of the chemically pure NaF and AlF₃ the maximum discharge of fluorine ions at a velocity of cationizing of 2.5 ml/min was obtained. At more than 1.2 ml/min a penetration of the cations into the filtrate was observed. The sodium and aluminum ions adsorbed at the resin were removed by means of washing with hydrochloric acid (1:5) and the weight-volume of them was

Card 1/2

Determination of the Fluorine Ion in the Cryolite by Applying the Ion Exchange Chromatography. 32-9-10/43

determined according to ordinary methods. The results obtained corresponded to the content of these components in the original material. The average absolute deficiency in the determination of fluorine was not higher than $\pm 0,26\%$. The deviations in the case of fluorine did not amount to more than $\pm 0,48\%$. Moreover the natural Greenland cryolite was investigated, the analysis here took somewhat longer than in the case of the artificial cryolite. There are 2 tables.

ASSOCIATION: All-Union Scientific Research Institute for Glass Fiber (Vsesoyuznyy nauchno-issledovatel'skiy institut steklovolokna)

AVAILABLE: Library of Congress

Card 2/2

PANASTUK, V.I.; ASHRATOVA, Sh.K.; YAROSHEVICH, R.A.; SHIROKOVA, A.V.

Analyzing batches of opalescent, boron silicate, and some
other kinds of glass. Leg.prom. 18 no.12:19-23 D '58.
(MIRA 11:12)

(Glass manufacture--Chemistry)

ASHRATOVA, Sh.K., inzh.

Analysis of lead glass batch by the method of ion exchange chromatography and complexometric titration. Leg.prom. 18 no.6:
30-32 Je '59. (MIRA 12:10)
(Glass manufacture--Chemistry) (Chromatographic analysis)
(Complex compounds)

5 (2)

AUTHOR:

Ashratova, Sh. K.S/032/60/026/01/019/052
B010/B123

TITLE:

On the Volatility of Boric Acid From Solutions and Mixtures

PERIODICAL:

Zavodskaya laboratoriya, 1960, Vol 26. Nr 1, pp 59 - 60 (USSR)

ABSTRACT:

The determination of B_2O_3 is to be carried out in a flask with a reflux condenser as, according to publications (Refs 1,2) this proved to be necessary for preventing the volatility of boric acid during the boiling process of the solution. As this method only complicates the determination and makes the removal of CO_2 from the solution more difficult, in the paper in hand investigations on the volatility of boric acid when boiling the solution without a reflux condenser, as well as during the evaporation and drying-out process, were made. It was stated that if neutral and acid solutions (additions of hydrochloric and nitric acid) with 6 to 52 g/l H_3BO_3 are boiled, no noticeable volatilization of boric acid takes place (Table 1). If a solution with 0.487 g H_3BO_3 in 200 ml is evaporated to dryness, no loss of boric acid was stated, with an addition of 14 ml

Card 1/2

On the Volatility of Boric Acid From Solutions
and Mixtures

S/032/60/026/01/019/052
B010/B123

nitric acid the loss of boric acid amounted to 0.007 and 0.014 g. The drying-out of 1.9512 g chemically pure boric acid at 250° for two hours causes a 2.5% volatilization of the acid, whereas, when drying it out at 130° for 1 hour, no noteworthy losses were observed (Table 2). On the basis of the results obtained a simplified determination method of boric acid is suggested which dispenses with a reflux condenser and has been tested on a series of glass samples for determining B_2O_3 (Table 3). There are 3 tables and 2 Soviet references.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut steklovolokna
(All-Union Scientific Research Institute for Glass Fibers)

Card 2/2

ACCESSION NR: AP4018166

S/0191/64/000/003/0040/0043

AUTHOR: Ashratova, Sh. K.; Meytin, Yu. V.

TITLE: Effect of treating glass cloth with organosilicon products on its air permeability

SOURCE: Plasticheskiye massy*, no. 3, 1964, 40-43

TOPIC TAGS: glass cloth, organosilicon treatment, air permeability, treatment effectiveness, sodium ethylsiliconate finish, ethylmethylhydroxysiloxane finish, glass fiber filter, GKZh-94 siloxane coating, GKZh-94M siloxane coating, GKZh-11 siliconate coating

ABSTRACT: The air permeability of glass cloth treated with organosilicon products depends on the product used, the amount of emulsifier in the emulsion, concentration of the treating composition, and temperature of fixing the materials on the glass cloth. This study on air permeability (one of the basic filtering characteristics) was conducted with glass cloth ASTT(b)-S₂ which was heat

Card 1/2

ACCESSION NR: AP4018166

treated at 320C to reduce the lubricant to less than 0.1%. The cloth was then immersed for 10 min in an aqueous solution of GKZh-11 (sodium ethyl siloconate) or in emulsified solutions (with 1% aq solution of gelatin) of GKZh-94 and GKZh-94M (ethylmethylhydroxysiloxanes). The cloth was air dried for 24 hours and finally heated at 150C and 250C. The air permeability of the glass cloth, which was lowered when the lubricant was removed, was increased by treatment with GKZh-94 and GKZh-94M (increasing with increasing concentrations from 0.1-0.3%) and further enhanced by heating. By increasing the amount of emulsifier from 1-5% the air permeability increased 5-10%. GKZh-11 lowered the air permeability. Since air permeability does not change from batch to batch it can serve as one of the criteria in evaluating the effectiveness of glass cloth treatment with organosilicon compounds. Orig. art. has; 4 figures.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 17Mar64

ENCL: 00

SUB CODE: MA
Card 2/2

NO REF SOV: 006

OTHER: 001

COMMON ELEMENTS																										SPECIAL ELEMENTS																									
ALPHABETIC													NUMERIC													ALPHABETIC													NUMERIC												
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z													0 1 2 3 4 5 6 7 8 9													A B C D E F G H I J K L M N O P Q R S T U V W X Y Z													0 1 2 3 4 5 6 7 8 9												
1. ASHRYATOV, A-K. 2. SA 3. PROCESSES AND PROPERTIES, IRON 4. RCH 5. C																																																			
328. Measurement of the open-circuit loss of power transformers. ASHRYATOV, A-K. Izv. Vuz. (No. 5) 34 6 (1948) In Russian.—To overcome the need for special generators and wattmeters, measurements are made at a low voltage and magnetization. Tests on several transformers show that the relation $W_0/W_1 = (B_0/B_1)^{1.15}$, where W and B are the loss and flux density respectively and f and I refer to working and low voltage respectively, holds good over a wide range of values of B_1. The method is applicable to both 1- and 3-ph. transformers. H. O. M. S.																																																			
6. ASS-55A DETALLURGICAL LITERATURE CLASSIFICATION 7. IRON-55A																																																			
8. 100000 0 1 9. 100000 0 1																																																			

RECEIVED, N.Y.

AID P - 3254

Subject : USSR/Electricity

Card 1/2 Pub, 27 - 9/25

Author : Ashryatov, A. K., Eng., Moscow

Title : Putting transformers into service without preliminary drying-out

Periodical : Elektrichestvo, 9, 44-54, S 1955

Abstract : At the Moscow Transformer Plant an investigation was made in testing existing methods of controlling the degree of moisture in the insulation resistance ratio method and another considering the ratio of capacitances (developed by I. G. Kheyl of the Moscow Transformer Plant in 1945), were found to be reliable only with a heated transformer. A better and more sensitive method of control of general moisture of insulation of a cold transformer was found to be the measuring of the loss angle of the windings. The author ends with a description of conditions of connecting new transformers without preliminary dry-out. He considers the methods recommended by operational circular 3/E of the Ministry of Electric Power Stations as insufficient. Seven tables, 8 diagrams, 7 references,

AID P - 3254

Elektrichestvo, 9, 44-54, 8 1955

Card 2/2 Pub. 27 - 9/25

1941-1952, 6 Soviet.

Institution : Moscow Transformer Plant im. Kuybyshev

Submitted : 0 16, 1954

ASHRYATOV, A.K., inzhener.

Summing up the discussion on placing transformers in service without drying. Elektrichestvo no.7:75-81 J1 '56. (MLEA 9:10)

1. Moskovskiy transformatornyy zavod imeni Kuybysheva.
(Electric transformers)

SOKOLOV, B.A., red.; ASHRYATOV, A.K., red.; CHERNEV, K.K., red.;
STRASHNYKH, V.P., red.izd-va; MOCHALINA, Z.S., tekhn.red.

[Instructions (SN 171-61) for checking the state of the
electrical insulation of transformers prior to placing them
in operation] Instruksiia po kontroliu sostoiianiia izo-
liatsii transformatorov pered vvodom v ekspluatatsiiu (SN 171-61).
Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam,
1961. 31 p. (MIRA 15:4)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva.
(Electric transformers--Safety regulations)

ALEKSENKO, Gennadiy Vasil'yevich; ASHRYATOV, Ali Kemalevich; FRID, Yefim Solomonovich; KRAYZ, A.G., Fed.; BORUNOV, N.I., tekhn. red.

[Testing of high-voltage power transformers and auto-transformers] Ispytaniia vysokovol'tnykh i moshchnykh transformatorov i avtotransformatorov. Moskva, Gosenergo-izdat. Pt.2. 1962. 831 p. (Transformatory, no.9)
(MIRA 16:6)

(Electric transformers--Testing)

ASHRYATOV, A.K., inzh.; PANOV, A.V., kand.tekhn.nauk

Concerning V.N. Zvezdkin, G.B. Izraelit, and M.G. Loitsianskii's
article "Determination of the maximum permissible degree of
moisture in transformer insulation." Elek. sta. 34 no.3:88-90
Mr '63. (MIRA 16:3)

(Electric transformers)

(Zvezdkin, V.N.)

(Izraelit, G.B.)

(Loitsianskii, M.G.)

ASHRYATOV, A. K.

ALEKSENKO, Gennadiy Vasil'yevich; KUMALEVICH, Ashryatov Ali;
SOLOMONOVICH, Frid Yefim; GEL'FERIN, B.B., red.; SKVORTSOV,
P.P., red.; KRAYZ, A.I., red.; BORUNOV, N.I., tekhn. red.

[Testing of high-voltage power transformers and auto-
transformers] Ispytaniia vysokovol'tnykh i moshchnykh
transformatorov i avtotransformatorov. Moskva, Gosenergo-
izdat. Pt.1. 1962. 671 p. (Transformatory, no.8)

(MIRA 16:10)

(Electric transformers--Testing)

ASHRYATOV, A.K., inzh.

Detection of faults in an electric transformer using the results
of a short-circuit test. Vest. elektroprom. 34 no.4:79-80 Ap
'63. (MIRA 16:10)

19 STEEL 9-KhS AS A SUBSTITUTE FOR TUNGSTEN TOOL STEEL. N. Yakhonin and A. Ashukhbaev. (Stal. 1940, No. 5-6, pp. 61-64). (In Russian). Steel 9-KhS contains about 1.5% of chromium, but the full composition is not given. The optimum conditions of heat treatment were determined, and reference is also made to the cutting properties of the steel. The life of tools made of steel 9-KhS was investigated and found to be superior to that of tungsten tool steels.	
ADDITIONAL LITERATURE CLASSIFICATION	
SEARCHED INDEXED SERIALIZED FILED	SEARCHED INDEXED SERIALIZED FILED

ASHUKIN, D. D.

ASHUKIN, D. D. --"The Principles of Organization of the Movement of Transfer
Trains Based on Graphs in the Moscow Hub." Min Railways USSR.
Moscow, 1956. (Dissertation for the Degree of Candidate in Technical Sciences.)

So.: Knizhnaya litopis', No. 7, 1956.

BARANOV, A.M., kandidat tekhnicheskikh nauk; ASHUKIN, D.D., kandidat
tekhnicheskikh nauk; KOZLOV, V.Ye., inzhener.

Selecting speeds and weight for railroad passenger cars. Vest.
TSNII MPS 15 no.2:3-7 S "56. (MLRA 9#12)
(Railroads--Cars)

FEDENEV, G.S., kand.tekhn.nauk; ROL'SHCHIKOV, Ye.P., inzh.; MITYUSHEV, S.I., dotsent; OL'KHOVON, A.I., inzh.; TITOVA, LA., inzh.; KUTYYEV, G.M., inzh.; TREGUBOV, G.G., inzh.; ASHUKIN, D.D., kand.tekhn.nauk, retsensent; MAKSIMOVICH, B.M., kand.tekhn.nauk, retsenzent; PETROVA, V.L., inzh., red.; VASIL'YEVA, N.N., tekhn.red.

[Mechanization and automation of information and accounting work in railroad sections] Mekhanizatsiia i avtomatizatsiia informatsionno-uchetnoi raboty na otdeleniakh zheleznnykh dorog. Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va soobshcheniia, 1962. 159 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no.240). (MIRA 16:2)

(Railroads—Management)
(Electronic computers)

KARETNIKOV, A.D., doktor tekhn.nauk; ASHUKIN, D.D., kand.tekhn.nauk;
VOROB'YEV, N.A., kand.tekhn.nauk; TISHKIN, Ye.M., inzh.

How to organize the local operations on lengthened haul
distances. Zhel.dor.transp. 44 no.8:55-59 Ag '62.

(MIRA 15:8)

(Railroads--Management)

SEMIN, K.F., inzh.; SHCHERBAKOV, B.D., inzh.; ZAYTSEV, B.P., inzh.,
retsenzent; ASHUKIN, D.D., kand. tekhn. nauk, retsenzent;
PETROVA, V.L., inzh., red.; DROZDOVA, N.D., tekhn. red.

[Mechanization and automation of ticket office operations in
stations] Mekhanizatsiia i avtomatizatsiia biletno-kassovykh
operatsii na vokzalakh. Moskva, Transzheldorizdat, 1963. 51 p.
(MIRA 16:12)

(Railroads--Station service) (Automation)

ASHUKIN, D.D., kand. tekhn. nauk

Norms of the plan for making up trains with locomotives operating
on lengthened haul distances. Vest. TSNII MFS 24 no.4:53-57 '65.

(MIRA 18:7)

Ashukin, D.I.

IVLEV, A.P.; ASHUKIN, D.I., konsul'tant; VINOKUROVA, Ye.B. [literaturnaya zapis']; TAMAROVICH, M.A., redaktor; KONYASHINA, A., tekhnicheskii redaktor.

[Under the city streets] Pod ulitsami goroda, Moskva, Izd-vo ministerstva kommunal'nogo khoziaistva RSFSR, 1954. 47 p. (MLRA 8:1)

1. Nachal'nik eksploatatsionnogo uchastka vodostochnoy seti Moskvyy (for Ivlev). 2. Glavnyy inzhener kontory eksploatatsii moskovskogo tresta "Gordoreksploatatsiya." (for Ashukin)
(Moscow--Sewerage)

ASHUKIN, P.

Our experience in servicing boiler units, Rab. energ., 1, no. 2, 1951

SO: MLRA. October 1952.

ASHUKINA, M., MARKOV, S.

Don Valley - Canals

Between the Don and the Shat. Vokrug sveta no. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Unclassified.

Effect of clays on li-
quorized to various chem-
ical and T. A. McFar-
land, No. 19, to 1931 in Ru-
ndary of natural clay
strata during well dri-
lling. Chemical analysis of
well O. O. Ashburn
N. J. K. 1936. N
in to a 3000 ft. deep
drilled well. Light fr
low. 30 ft. high. The
analysis of the gasol
ine is as follows: 1. 1

viscosity of freighted solutions and
cal treatments. Q. Ya. Zaksent
for Azerbaidzhan. *Kh. Kh. 1986*
but the effect of the treatment on the
viscosity of the solutions was not
being investigated. A. K. K.
condensation on a high pressure oil
and 80 V. Vebey. Azerbaidzhan.
10. ST-100 fraction. Crude oil
the following: 1. 100% crude oil
2. 100% crude oil. 3. 100% crude oil
4. 100% crude oil. 5. 100% crude oil
6. 100% crude oil. 7. 100% crude oil
8. 100% crude oil. 9. 100% crude oil
10. 100% crude oil. 11. 100% crude oil
12. 100% crude oil. 13. 100% crude oil
14. 100% crude oil. 15. 100% crude oil
16. 100% crude oil. 17. 100% crude oil
18. 100% crude oil. 19. 100% crude oil
20. 100% crude oil. 21. 100% crude oil
22. 100% crude oil. 23. 100% crude oil
24. 100% crude oil. 25. 100% crude oil
26. 100% crude oil. 27. 100% crude oil
28. 100% crude oil. 29. 100% crude oil
30. 100% crude oil. 31. 100% crude oil
32. 100% crude oil. 33. 100% crude oil
34. 100% crude oil. 35. 100% crude oil
36. 100% crude oil. 37. 100% crude oil
38. 100% crude oil. 39. 100% crude oil
40. 100% crude oil. 41. 100% crude oil
42. 100% crude oil. 43. 100% crude oil
44. 100% crude oil. 45. 100% crude oil
46. 100% crude oil. 47. 100% crude oil
48. 100% crude oil. 49. 100% crude oil
50. 100% crude oil. 51. 100% crude oil
52. 100% crude oil. 53. 100% crude oil
54. 100% crude oil. 55. 100% crude oil
56. 100% crude oil. 57. 100% crude oil
58. 100% crude oil. 59. 100% crude oil
60. 100% crude oil. 61. 100% crude oil
62. 100% crude oil. 63. 100% crude oil
64. 100% crude oil. 65. 100% crude oil
66. 100% crude oil. 67. 100% crude oil
68. 100% crude oil. 69. 100% crude oil
70. 100% crude oil. 71. 100% crude oil
72. 100% crude oil. 73. 100% crude oil
74. 100% crude oil. 75. 100% crude oil
76. 100% crude oil. 77. 100% crude oil
78. 100% crude oil. 79. 100% crude oil
80. 100% crude oil. 81. 100% crude oil
82. 100% crude oil. 83. 100% crude oil
84. 100% crude oil. 85. 100% crude oil
86. 100% crude oil. 87. 100% crude oil
88. 100% crude oil. 89. 100% crude oil
90. 100% crude oil. 91. 100% crude oil
92. 100% crude oil. 93. 100% crude oil
94. 100% crude oil. 95. 100% crude oil
96. 100% crude oil. 97. 100% crude oil
98. 100% crude oil. 99. 100% crude oil
100. 100% crude oil. 101. 100% crude oil
102. 100% crude oil. 103. 100% crude oil
104. 100% crude oil. 105. 100% crude oil
106. 100% crude oil. 107. 100% crude oil
108. 100% crude oil. 109. 100% crude oil
110. 100% crude oil. 111. 100% crude oil
112. 100% crude oil. 113. 100% crude oil
114. 100% crude oil. 115. 100% crude oil
116. 100% crude oil. 117. 100% crude oil
118. 100% crude oil. 119. 100% crude oil
120. 100% crude oil. 121. 100% crude oil
122. 100% crude oil. 123. 100% crude oil
124. 100% crude oil. 125. 100% crude oil
126. 100% crude oil. 127. 100% crude oil
128. 100% crude oil. 129. 100% crude oil
130. 100% crude oil. 131. 100% crude oil
132. 100% crude oil. 133. 100% crude oil
134. 100% crude oil. 135. 100% crude oil
136. 100% crude oil. 137. 100% crude oil
138. 100% crude oil. 139. 100% crude oil
140. 100% crude oil. 141. 100% crude oil
142. 100% crude oil. 143. 100% crude oil
144. 100% crude oil. 145. 100% crude oil
146. 100% crude oil. 147. 100% crude oil
148. 100% crude oil. 149. 100% crude oil
150. 100% crude oil. 151. 100% crude oil
152. 100% crude oil. 153. 100% crude oil
154. 100% crude oil. 155. 100% crude oil
156. 100% crude oil. 157. 100% crude oil
158. 100% crude oil. 159. 100% crude oil
160. 100% crude oil. 161. 100% crude oil
162. 100% crude oil. 163. 100% crude oil
164. 100% crude oil. 165. 100% crude oil
166. 100% crude oil. 167. 100% crude oil
168. 100% crude oil. 169. 100% crude oil
170. 100% crude oil. 171. 100% crude oil
172. 100% crude oil. 173. 100% crude oil
174. 100% crude oil. 175. 100% crude oil
176. 100% crude oil. 177. 100% crude oil
178. 100% crude oil. 179. 100% crude oil
180. 100% crude oil. 181. 100% crude oil
182. 100% crude oil. 183. 100% crude oil
184. 100% crude oil. 185. 100% crude oil
186. 100% crude oil. 187. 100% crude oil
188. 100% crude oil. 189. 100% crude oil
190. 100% crude oil. 191. 100% crude oil
192. 100% crude oil. 193. 100% crude oil
194. 100% crude oil. 195. 100% crude oil
196. 100% crude oil. 197. 100% crude oil
198. 100% crude oil. 199. 100% crude oil
200. 100% crude oil. 201. 100% crude oil
202. 100% crude oil. 203. 100% crude oil
204. 100% crude oil. 205. 100% crude oil
206. 100% crude oil. 207. 100% crude oil
208. 100% crude oil. 209. 100% crude oil
210. 100% crude oil. 211. 100% crude oil
212. 100% crude oil. 213. 100% crude oil
214. 100% crude oil. 215. 100% crude oil
216. 100% crude oil. 217. 100% crude oil
218. 100% crude oil. 219. 100% crude oil
220. 100% crude oil. 221. 100% crude oil
222. 100% crude oil. 223. 100% crude oil
224. 100% crude oil. 225. 100% crude oil
226. 100% crude oil. 227. 100% crude oil
228. 100% crude oil. 229. 100% crude oil
230. 100% crude oil. 231. 100% crude oil
232. 100% crude oil. 233. 100% crude oil
234. 100% crude oil. 235. 100% crude oil
236. 100% crude oil. 237. 100% crude oil
238. 100% crude oil. 239. 100% crude oil
240. 100% crude oil. 241. 100% crude oil
242. 100% crude oil. 243. 100% crude oil
244. 100% crude oil. 245. 100% crude oil
246. 100% crude oil. 247. 100% crude oil
248. 100% crude oil. 249. 100% crude oil
250. 100% crude oil. 251. 100% crude oil
252. 100% crude oil. 253. 100% crude oil
254. 100% crude oil. 255. 100% crude oil
256. 100% crude oil. 257. 100% crude oil
258. 100% crude oil. 259. 100% crude oil
260. 100% crude oil. 261. 100% crude oil
262. 100% crude oil. 263. 100% crude oil
264. 100% crude oil. 265. 100% crude oil
266. 100% crude oil. 267. 100% crude oil
268. 100% crude oil. 269. 100% crude oil
270. 100% crude oil. 271. 100% crude oil
272. 100% crude oil. 273. 100% crude oil
274. 100% crude oil. 275. 100% crude oil
276. 100% crude oil. 277. 100% crude oil
278. 100% crude oil. 279. 100% crude oil
280. 100% crude oil. 281. 100% crude oil
282. 100% crude oil. 283. 100% crude oil
284. 100% crude oil. 285. 100% crude oil
286. 100% crude oil. 287. 100% crude oil
288. 100% crude oil. 289. 100% crude oil
290. 100% crude oil. 291. 100% crude oil
292. 100% crude oil. 293. 100% crude oil
294. 100% crude oil. 295. 100% crude oil
296. 100% crude oil. 297. 100% crude oil
298. 100% crude oil. 299. 100% crude oil
300. 100% crude oil. 301. 100% crude oil
302. 100% crude oil. 303. 100% crude oil
304. 100% crude oil. 305. 100% crude oil
306. 100% crude oil. 307. 100% crude oil
308. 100% crude oil. 309. 100% crude oil
310. 100% crude oil. 311. 100% crude oil
312. 100% crude oil. 313. 100% crude oil
314. 100% crude oil.

5
1-452C

11
99

ASHUMOV, G.G.

ASHUMOV, G.G.

Variation in the composition of petroleum from different series of
the Apsheron Peninsula pay stratum. Uch. zap. AGU no.2:67-78 '57.
(Apsheron Peninsula--Petroleum geology) (MIRA 11:1)

ASHUMOV, G.G., kandidat khimicheskikh nauk; VELIYEV, Sh.V., kandidat
khimicheskikh nauk; EYVAZOVA, S.A., kandidat khimicheskikh nauk.

Study of oils in the Neftchala region. [in Azerbaijani with
summary in Russian]. Azerb.neft.khoz.36 no.2:25-27 F '57.

(MLRA 10:4)

(Neftchala--Petroleum)

ASHUMOV, G.G.

NASIROV, A.B.; ASHUMOV, G.G.; VEKLIYEV, M.V.

Research on the hydrocarbon content of medium fractions of
Siazan petroleum [in Azerbaijani with summary in Russian].
Azerb.neft.khoz. 36 no.3:38-39 Mr '57. (MLRA 10:5)
(Hydrocarbons)

AS HUMAN, G.G.

MURAYEV, N.R.; ASHUMOV, G.G.

Studying Artem paraffin-base petroleum. Azerb. нефт. khoz. 36
no.10:31-32 0 '57. (MIRA 11:2)
(Artem Island--Petroleum--Analysis)

..AsHumov, (16)

11(4) P3

PHASE I BOOK EXPLOITATION SOV/2925

Baku. Azerbaydzhanskiy nauchno-issledovatel'skiy institut nefte-
pererabatyvayushchey promyshlennosti imeni V. V. Kuybysheva.

Sbornik trudov, vyp. 2. (Collection of Works, No. 2) Baku,
Aznefteizdat, 1958. 373 p. Errata slip inserted. 500
copies printed.

Additional Sponsoring Agency: Azerbaydzhan. Ministerstvo neftyanoy
promyshlennosti.

Ed. of Publishing House: T.B. Al'tman; Editorial Board: V.S. Aliyev,
Candidate of Chemical Sciences, V.S. Gutrya, Doctor of Chemical
Sciences, A.M. Kuliyev, Doctor of Chemical Sciences, N.M. Indukov,
Candidate of Technical Sciences, V.Ya. Masumyan, Candidate of
Chemical Sciences, F.G. Suleymanova, Candidate of Technical
Sciences, A.M. Levshina, Candidate of Chemical Sciences, N.B. Al'
tman, Candidate of Chemical Sciences, I.M. Orudzheva, Candidate
of Technical Sciences, M.M. Melik-Zade, Candidate of Chemical
Sciences.

Card 1/8

Collection of Works, No. 2

SOV/2925

PURPOSE: This collection of articles is intended for chemical engineers, technicians, and refiners concerned with advanced methods of petroleum conversion.

COVERAGE: The collection presents an analysis of different types of crudes extracted in Azerbaydzhan and of the products recovered from these crudes through petroleum conversion processes. The dewatering, desalting and demulsifying of crudes is described and the suitability of these crudes for the recovery of diesel fuels is discussed. Results of catalytic cracking performed over a fluidized bed synthetic catalyst and the chemical composition of gasoline produced by two-stage catalytic cracking are analyzed. Attrition and deactivation of catalysts as well as catalyst circulation in a hyper-flow system are reviewed. Various lube oil additives and the production of different types of oils and of carbon black are outlined. References accompany individual articles.

TABLE OF CONTENTS:

Card 2/8

Collection of Works, No. 2

SOV/2925

- Ashumov, G.G., and M.R. Musayev. Nitrogen Compounds in Crudes
From the Kallinskaya Oil Deposits on the Apsheron Peninsula 5
- Ashumov, G.G., and S.I. Kurkovskaya. Nitrogen Compounds in
Azerbaijani Crudes 12
- Masumyan, V.Ya., M.K. Danielyan, K.I. Antonova, Kh.M. Sultanova,
and A.S. Arustamov. Preliminary Treatment of Baku Crudes for
Refining 16
- Agayeva, S.M., V.V. Yermolkin, A.G. Ismaylov, A.V. Kudinov
(deceased), L.A. Kupriyanov, M.N. Nadirova, A.B. Terteryan
(deceased), S.A. Terteryan. Azerbaijani Crudes as a Raw Material
Source for Diesel Fuels 34
- Nasirov, A.B., V.S. Gutyrva, and D.I. Zul'fugarly. Effect of
Certain Conditions of Catalytic Cracking Performed Over a Fluidized
Synthetic Silica Alumina Catalyst on the Formation of Aromatic
Hydrocarbons in Gasoline 44

Card 3/8

Collection of Works, No. 2

SOV/2925

Nasirov, A.B., V.S. Gutyrva, and D.I. Zul'fugarly. Chemical Composition of Gasoline Produced by Two-stage Catalytic Cracking 70

Aliyev, V.S., B.R. Al'tman, and B.P. Kasimova. Role of Heat Carriers in Thermal Contact Decomposition of Heavy Petroleum Residues 77

Yefimova, S.A., Z.I. Polyanova, A.A. Mamedova, V.S. Frolova, and A.B. Mekhraliyev. Study of the Deactivation of a Powdered Silica Alumina Catalyst During the Cracking of Distillates From Non-sulfurous Crude Oil 86

Ashumov, G.G., R.Sh. Kuliyeu, K.I. Antonova, T.S. Stepanyan, Ye.N. Kitushina, and Sh.V. Veliyev. Study of Petroleum From the Upper Kalinskaya Area Carried out With a View to Producing Aviation Lube Oil 99

Kuliyeu, A.M., R.Sh. Kuliyeu, M.M. Dreyzina, K.I. Antonova, Ye.N. Kikushina, N.I. Chikareva, and M.I. Aliyev. Study of Petroleum From the "Neftyanyye Kamni" Deposits Made With a View to Producing Lube Oil Distillates 106

Card 4/8

Collection of Works, No. 2

SOV/2925

Kuliyev, A.M., R.Sh. Kuliyev, M.M. Dreyzina, K.I. Antonova,
Ye.N. Kitushina, N.I. Chikareva, and M.I. Aliyev. Production of
Residual Oils From Petroleum Recovered at the "Neftyanyye Kamni"
Deposits 131

Kuliyev, A.M., R.Sh. Kuliyev, M.M. Dreyzina, R.L. Margolina, and
M.R. Musayev. Application of the De-asphalting Process in the
Production of Aviation Lubricating Oil MK-22 144

Kuliyev, A.M., I.M. Orudzheva, M.M. Mirdzhavadova, S.N. Loginova,
and M.R. Musayev. Production of Oil From Paraffin Crudes by
Deparaffinization With Carbamide 156

Bashayev, V.Ye., and I.I. El'ovich. Problem of Making Universal
Automobile Lubrication Oils 173

Orudzheva, I.M., and M.M. Mirdzhavadova. Investigation of Lube Oil
Fractions and Lubrication Oil Recovered From Standard Surakhany
Petroleum 179

Card 5/8

. Collection of Works, No. 2

SOV/2925

Kuliyev, A.M., M.I. Aliyev, and R.Sh. Kuliyev. Response of Lubrication Oils With Different Hydrocarbon Composition to Additives 192

Kuliyev, A.M., I.M. Orudzhova, G.A. Zeynalova, D.A. Akhmed-Zade, A.A. Atal'yan, A.M. Levshina, and K.I. Sadykhov. Investigations Made in the Field of Synthesis and Admixture of Additives to Lubrication Oils 207

Kuliyev, A.M., A.M. Levshina, and M.I. Aliyev. Investigations in the Field of Synthesis of Depressors and the Study of Their Effect on Different Oils and Hydrocarbon Groups Extracted From These Oils 225

Kuliyev, A.M., D.A. Akhmed-Zade, and K.I. Sadykhov. Synthesis and Study of Automobile and Tractor Lubrication Oil Detergents Synthesized From Salts of Sulfanic Acid 244

Suleymanova, F.G. Ways of Improving the Quality of Diesel Fuels 256

Card 68

Collection of Works, No. 2

SOV/2925

Yasnopol'skiy, V.D., and N.I. Pervova. Methodology of Analyzing Lubrication Oil Additives 271

Melik-Zade, M.H., A.G. Khanlarova, M.R. Musayev, V.V. Subkhanverdilhanov, and Kh.F. Faradzhev. Problem of Appraising the Stability of Additive AzNII-7 in Diesel Oil by Means of Radioactive Isotopes 279

Safonov, V.A., N.M. Indukov, I.S. Shevtsov, S.M. Markaryan, and M.I. Rustamov. Mastering the Technique of Thermal Conversion of Petroleum-bearing Sands of Kirmakinsk Carried out Over a Fluidized Bed 288

Indukov, N.M., M.F. Kabanova, N.F. Paniyeva, and F.A. Kagramanova. Treatment of Distillates of Automobile Lubrication Oils 10 and 18 With Spent Sulfuric Acid From Alkylation 308

Ismaylov, I.M., and G.N. Abayev. Systems for Control by "Hyperflow" Transport 318

Card 7/8

Collection of Works, No. 2

SOV/2925

Grigoryan, Kh.A., Al.M. Kiliyev, Z.E. Aliyev, and B.A. Pinsker.
Study of the Decreased Adsorption Capacity of Activated Charcoal
Caused by the Polymerization of Hydrocarbons on Its Surface

329

Azilov, A.F. Study of the Moisture Capacity of Carbon Black
Depending on the Degree of Oxidation

346

Azilov, A.F. Determination of the Elementary Composition of
Carbon Black on the Basis of the Quantity and Composition of
Volatile Substances

355

Grigoryan, Kh.A., M.A. Gerasim, Z.E. Aliyev, B.A. Pinsker, and
T.P. Usynina. Furnace Black Produced From Gas With High Content
of Air Enriched With Liquid Hydrocarbons

362

AVAILABLE: Library of Congress (TP690.A1B33)

Card 8/8

TM/jb
1-26-60

ASHUMOV, G.G.; MUSAYEV, M.R.

Nitrogen compounds in crude oils of the Kala Field on the Apsheron Peninsula, Sbor.trud.AzNII NF no.2:5-11 Ag '58.(MIRA 12:6)
(Apsheron Peninsula--Petroleum--Analysis)
(Nitrogen compounds)

ASHUMOV, G.G.; KURKOVSKAYA, S.I.

Nitrogen compounds in Azerbaijan crudes. Sbor.trud.AzNII MP
no.2:12-15 Ag '58. (MIRA 12:6)
(Azerbaijan--Petroleum--Analysis)
(Nitrogen compounds)

ASHUMOV, G.G.; KULIYEV, R.Sh.; ANTONOVA, K.I.; STEPANYAN, T.S.
KITUSHINA, Ye.M.; VELIYEV, Sh.V.

Investigating upper Kala crude with regard to its suitability
for producing aviation oils. Sbor.trud.AzNII NP no.2:99-105
Ag '58. (MIRA 12:6)

(Apaheron Peninsula--Petroleum--analysis)
(Lubrication and lubricants)

ASHUMOV, G.G.

Properties of naphthenic acids in Baku oils in relation to the
depth of the deposit. Uch.zap.AGU no.2:37-48 ' 58.

(MIRA 12:1)

(Baku--Petroleum--Analysis)

(Naphthenic acid)

SOV/81-59-10-36435

Translation from: Referativnyi zhurnal. Khimiya, 1959, Nr 10, p 443 (USSR)

AUTHORS: Ashumov, G.G., Kuliyeu, R.Sh., Antonova, K.I., Stepanyan, T.S., Kitushina, Ye.N., Veliyev, Sh.V.

TITLE: An Investigation of Kalino Petroleum of the Upper Formation With the Aim of Obtaining Aircraft Oil "

PERIODICAL: Sb. tr. Azerb. n.-i. in-t neftepererabat. prom-stl, 1958, Nr 2, pp 99-105 (Azerbaydzhanian summary)

ABSTRACT: The results of experiments are cited on the elucidation of the possibility of using masut from Kalino petroleum of the upper formation with the aim of finding additional resources for the production of aircraft oil. The investigation was carried out with regard to obtaining MK-22 oil by industrial technology as well as with the application of the process of deasphaltization of the initial concentrate, and also with regard to obtaining MS-20 aircraft oil with the application of deasphaltization and selective purification by phenol. It has been shown that MK-22 oil can be obtained by both methods with all indices corresponding to the standard with exception of density; the oil yield in comparison with the yield from Surakhany choice

Ca. Card 1/2

NASIROV, A.B.; ASHUMOV, G.G.; NAMAZOV, I.I.; MELIK-ZADE, M.M.

Studying the individual hydrocarbons of the gasoline fraction
obtained from the Balakhan' heavy oil [in Azerbaijani with
summary in Russian]. Azerb.neft.khoz. 37 no.8:40-42 Ag '58.
(Hydrocarbons) (Gasoline) (MIRA 11:11)

ASHUMOV, G.G.; NAMAZOV, I.I.; NASIROV, A.B.

Improved method for determining the potential bright products content
of petroleum [in Azerbaijani with summary in Russian]. Azerb. neft.
khoz. 37 11:39-41 N '58. (MIRA 12:3)
(Petroleum--Refining)

ASHUMOV, G.G.; NASIROV, A.B.; KURKOVSKAYA, S.I.

Investigating high molecular weight components of the Artemov
asphaltic petroleum. Azerb.khim.zhur. no.6:13-20 '59. (MIRA 14:9)
(Petroleum--Analysis)

ASHUMOV, G.G.; STEPANYAN, T.S.; BYVAZOVA, S.A.

Quality of petroleum on Peschanyy Island. Azerb.neft.khoz. 38
no.1:35-36 Ja '59. (MIRA 12:4)
(Peschanyy Island—Petroleum)

ASHUMOV, G.G.; MUSAYEV, M.R.; NASIROV, A.B.

Determination of the formation temperatures of Baku petroleums
based on the cyclohexane and methyl cyclopentane content. Azerb.
neft. khoz. 38 no.5:36-37 My '59. (MIRA 12:9)
(Baku region--Petroleum--Analysis)

ASHUMOV, G.G.; NASIROV, A.B.; NAMAZOV, I.I.; MIRDZHAYADOVA, M.M.

Quantitative analysis of the Siazan' petroleum and Karadag gas condensate for cyclohexane, methyl- and dimethylcyclohexane to be used as raw materials in the production of synthetic fibers. Azerb.neft.khoz. 38 no.12:34-36 D'59. (MIRA 13:10)
(Cyclohexane) (Textile fibers, Synthetic)

ASHUMOV, G.G.; NASIROV, A.B.; EOSYAFIN, A.S.

Investigation of the individual hydrocarbon composition of the
gasoline fraction of the Karadag gas condensate. Azerb.khim.zhur.
no.1:13-16 '60. (MIRA 14:9)
(Karadag--Condensate oil wells) (Hydrocarbons)

ZUL'FUGARLY, D.I.; ASHUMOV, G.G.; MUSAYEV, M.R.; NASIROV, A.B.

Macroelements in petroleum ashes of Azerbaijan [in Azerbaijani
with summary in Russian]. Azerb.khim.zhur. no.2:149-152 '60.
(MIRA 14:8)

(Azerbaijan--Petroleum--Analysis)

ASHUMOV, G.G.; CHERFAS, S.I.; NASIROV, A.B.

Studying the composition and properties of tar fractions in the
Kyuvordag petroleum, fuel oil and oil tar. Azerb.neft.khoz, 39
no.9:39-42 S'60. (MIRA 13:10)

(Kyurovdag region--Petroleum--Analysis)

S/081/61/000/019/060/085

B117/B110

AUTHORS: Isagulyants, V. I., Ashumov, G. G.

TITLE: Production of monoglycol ester of naphthenic acids

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1961, 323, abstract
19L26 (Azerb. khim. zh., no. 5, 1960, 25 - 27)

TEXT: Pure naphthenic acids of kerosene gasoil fractions from Baku petroleum are treated with ethylene oxide at 160°C. The contact time is 4 hr, the ratio of reagents is 100 : 26.6. Monoglycol ester of naphthenic acids is obtained in a 90% yield (acid number 3, ester number 203). It is used as raw material in the varnish and dye industry. [Abstracter's note: Complete translation.]

Card 1/1

NAMAZOV, I.I.; ASHUMOV, G.G.; EYVAZOVA, S.A.

Sulfur content of Azerbaijan oils and light-colored petroleum
products obtained from them. Azerb. neft. khoz. 39 no.2:33-
34 F '60. (MIRA 14:8)

(~~Azerbaijan-Sulfur~~)
(Petroleum products)

ASHUMOV, G.G.

[Azerbaijani oils] Azerbaidzhanskie nefti. Baku, Izd-vo Akad.
nauk Azerbaidzhanakoi SSR, 1961. 553 p. (MIRA 15:6)
(Azerbaijan—Petroleum geology)

ASHUMOV, G.G.; NASIROV, A.B.; ISMAILZADE, I.G.; MAMEDOV, F.A.

Individual hydrocarbon composition of the gasoline fraction of
Mishovdag petroleum. Azerb. khim.shur. no. 3:33-39 '61. (MIRA 14:11)
(Mishovdag--Petroleum) (Hydrocarbon)

NASIROV, A. B.; ~~ASHUMOV, G. G.~~; ISMAILZADE, I. G.; KOSYKHIN, A. S.

Individual hydrocarbon composition of the gasoline fraction of
Kyurovdag crudes. Azerb.khim.zhur. no.4:15-21 '61.

(MIRA 14:11)

(Kyurovdag—Petroleum—Analysis)
(Hydrocarbons)

SHARASHINIDZE, Sh.S.; ASHUMOV, G.G.; NASIROV, A.B.; ISMAIL-ZADE, I.G.;
MAMEDOV, F.A.

Investigating the individual composition of the gasoline fraction
of Saskhen oil of the Samgora District of the Georgian S.S.R.
Azerb.khim.zhur. no.5:23-30 '61. (MIRA 15:5)
(Samgora District--Petroleum--Analysis)

ASHUMOV, G.G.; NASIROV, A.B.; MELIK-ZADE, M.M.

Study of the individual hydrocarbon composition of the gasoline
fraction from Siazan oil, Azerb. neft. khoz. 40 no.1:37-38
Ja '61. (MIRA 14:8)
(Siazan' region--Hydrocarbons)

ASHUMOV, G.G.; NASIROV, A.B.

Determining the cyclohexane hydrocarbon content in Mishovdag
and Kyurovdag oils. Azerb. neft. khoz. 40 no.5:38 My '61.
(MIRA 16:12)

NASIROV, A.B.; ASHUMOV, G.G.; GASANOV, N.A.

Hydrocarbon composition of gasoline fractions obtained from
petroleums of Peschanyy Island. Azerb.neft.khoz. 41 no.3:36-39
Mr '62. (MIRA 15:8)

(Peschanyy Island---Gasoline)

NAMAZOV, I.I.; ASHUMOV, G.G.

Isolating petroleum cyclohexane by means of crystalline thiourea;
role of activator in extractive crystallization. Azerb. neft.
khoz. 41 no.6:34-37 Je '62. (MIRA 16:1)
(Cyclohexane) (Urea)

NAMAZOV, I.I.; ASHUMOV, G.G.

Isolating petroleum cyclohexane by means of crystalline thiourea.
Azerb.neft.khoz. 41 no.5:33-35 My '62. (MIRA 16:2)
(Cyclohexane) (Urea)

ASHUMOV, G.G.; NASIROV, A.B.; ISMAILZADE, I.G.; GYUL', E.K.; MAMEDOV, F.A.

Hydrocarbon composition of gasoline fractions obtained
from Karadag waxy crudes (Putra, Supra-Kirmaki sand series).
Azerb. khim. zhur. no.1:23-29 '64. (MIRA 17:5)

ASHUMOV, G.G.; STEPANYAN, T.S.; CHERFAS, S.I.

Quality of condensates and gas-condensate pools in Azerbaijan.
Azerb. khim. zhur. no.3:11-16 '64.

(MIRA 18:5)

AMANOV, E.; ASHUMOV, G.G.

Content of aromatic and cyclohexane hydrocarbons in the benzene fraction of Kotur-Tepe petroleum in Turkmenistan. Izv. AN Truk. SSR. Ser. fiz.-tekhn., khim. i geol. nauk no.6:36-39 '64.
(MIRA 18:4)

1. Institut khimii AN Turkmenskoy SSR.

KHANMURADOV, B.A.; ASHUMOV, G.G.

Some variants of light petroleum products from Kotur-Tepe oil. Izv.
AN Turk. SSR. Ser. fiz.-tekhn., khim. i geol. nauk no.1:120-122 '65.
(MIRA 18:7)

1. Institut khimii AN Turkmenskoy SSR.

ZIZIN, V.G.; YASNOPOL'SKIY, V.D.; ASHUMOV, V.S.

Hydrocarbon composition of benzines obtained through straight-run distillation of Baku petroleum. Dokl.AN Azerb.SSR 12 no.12:889-894 (MIRA 10:8) '56.

1. Predstavleno akademikom Akademii nauk Azerbaydzhanskoy SSR V.S. Gutyrey.

(Gasoline) (Hydrocarbons)

ACCESSION NR: AR4036028

S/0299/64/000/006/G005/G005

SOURCE: Referativnyy zhurnal. Biologiya, Abs. 6G26

AUTHOR: Osipova, O. P.; Ashur, N. I.

TITLE: Photostability and function of the photosynthetic apparatus of plants

CITED SOURCE: Sb. Probl. ekol. i fiziol. lesn. rast. L., 1963, 33-45

TOPIC TAGS: photosynthesis, plant physiology, photostability, chlorophyll, chloroplast, carotenoid

ABSTRACT: In this work, an attempt is made to determine the connection between the photostability of chlorophyll and the photosynthetic ability of leaves, as well as the role of carotenoids in the photostability of chlorophyll; 15-16 day-old leaves of corn, beans and cucumbers were used. Luminescence curves of photosynthetic intensity were determined with the use of C^{14} by the method of Zelenskiy, while the photostability of chlorophyll was determined from the gradual fading after illumination of a suspension of isolated chloroplasts with red light (600-700 mμ). Colloidal suspensions of chlorophyll had considerably more photostability than molecular ones. Therefore, aggregation of molecules serves to protect chlorophyll against

Card 1/2

ACCESSION NR: AR4036028

fading. Simultaneously, the presence of carotene in the solution increases considerably the photostability of chlorophyll. Chloroplasts isolated from plants with a higher intensity of photosynthesis had more photostable chlorophyll. The principle of this correlation was confirmed in experiments with corn, cultivated under light intensity which was low for this plant (60,000 and 20,000 ergs/cm².sec). The light curves of photosynthetic intensity were identical in the two variants. The kinetics of fading of chloroplast chlorophyll was also the same. It is assumed that there is a connection between the state of the chlorophyll and the intensity of photosynthesis. More marked disruption of carotenoids was found in chloroplasts from plants grown under strong light and containing more photostable chlorophyll. After 15 min. of illumination, the amount of decomposed chlorophyll reached 11% and that of carotenoids, 31%. It is suggested that the higher photostability of chlorophyll is determined by the protective function of the carotenoids. The lower photostability of chlorophyll from plants grown in the dark corresponds to the less pronounced protective role of the carotenoids. Institut fiziologii rasteniy AN SSSR (Institute of Plant Physiology AN SSSR) V. Korshunova

DATE ACQ: 09Apr64

SUB CODE: LS

ENCL: 00

Card 2/2

ASHUR, N.I.; OSIPOVA, O.P.

Effect of spectral composition of light on the photosynthetic apparatus
in plants. Dokl. AN SSSR 163 no.2:511-514 J1 '65. (MIRA 18:7)

1. Institut fiziologii rasteniy im. K.A.Timiryazeva AN SSSR. Submitted
July 10, 1964.

L 25783-65 EMO(j)/EMO(r)/EMT(1)/FS(v)-3/EMO(v)/EMO(a)/EMO(c) Pe-5 DD

ACCESSION NR: AR5000949

S/0299/64/000/020/G001/G001

SOURCE: Ref. zh. Biologiya. Sv. t., Abs. 2035 ³¹/₂₀

AUTHOR: Osipova, O. P.; Ashur, W. I. ₁₃

TITLE: Light intensity effect on photostability and function of the plant photosynthetic apparatus ✓

CITED SOURCE: Fiziol. rasteniy, v. 11, no. 3, 1964, 369-374

TOPIC TAGS: plant, chlorophyll, photosynthesis, light brightness, photostability

TRANSLATION: The state of chlorophyll in vivo was determined by its photostability in isolated chloroplasts. Chloroplast swelling and destruction led to a photostability loss of chlorophyll a. Data on chlorophyll fading kinetics suggests the presence of at least 3 forms of chlorophyll a differing in photostability. Chloroplasts of plants grown under intense light conditions contain chlorophyll with a higher photostability. A direct correlation has been established between chlorophyll photostability and intensity of photosynthesis.

Cord 1/2

L 25783-65
ACCESSION NR: AR5000949

Institute of plant physiology AN SSSR.

SUB CODE: LS

ENCL: 00

Card 2/2

OSIPOVA, O.P.; ASHUR, N.I.

Chloroplast structure in the leaves of corn grown under various
light conditions. Fiziol. rast. 12 no.2:257-262 Mr-Apr '65.

(MIRA 18:6)
1. Institut fiziologii rasteniy imeni Timiryazeva AN SSSR, Moskva.

ASHURBEKOV, Kh.

Effect of different daylight on the growth and development of
cotton. Uzb. biol. zhur. 9 no.3:70-74 '65. (MIRA 18:8)

1. Institut eksperimental'noy biologii tekhnicheskikh i zernovykh
kul'tur AN UzSSR.

ASHURBEYLI, S.B.

Dating the beginning of the city of Baku. Dokl. AN Azerb. SSR 17
no. 3:253-258 '61. (MIRA 14:5)

1. Institut vostokovedeniya AN AzerbSSR. Predstavleno akademikom
AN Azerbaydzhanskoy SSR A.A. Alizade.
(Baku--History)

VOLOSHCHUK, V.U.; TRIFONOVA, R.G.; ZVEREVA, Ye.V.; TARNAVSKIY, A.L;
ASHURKINA, Ye.M.; IVANOV, V.P.

New developments in research. Stal' 23 no.9:858 S '63.
(MIRA 16:10)

ASHURKOV, I; CHEVEL'EV, A.

Tasks of scientific work in the organisation of public health. tr. from the russian

p. 313 (Ministerstvo zdravotnictvi a Vyzkumny ustav organisace zdravotnictvi)
Vol. 5 no. 5 May 1957 Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (MEAL) Vol. 61 No. 11 November 1957

ASHURKOV, L.M., spets. mashinstr.; BLIZHEVSKIY, L.A., spets. mashinst.;
VASIL'YEVA, Ye.N., spets. mashinstr.; KOVAL'SKIY, N.N., spets.
mashinstr.; MOKIN, M.I., spets. mashinstr.; SMIRNOV, V.P.,
spets. mashinstr.; BOBKOV, L.S., retsenzent; VETUKHNOVSKIY, Z.B.,
retsenzent; MAKSIMYAK, G.P., retsenzent; MIKHAYLOVSKIY, V.I.,
retsenzent; SHVYRYAYEV, G.K., retsenzent; VALETOV, V.V., red.;
RADAYEVA, Z.A., red. izd-va; TIKHANOV, A.Ya., tekhn. red.

[Norms for the consumption of materials in the manufacture of
machinery; a handbook] Normirovanie raskhoda materialov v ma-
shinostroenii; spravochnik. Pod red. V.V.Valetova. Moskva, Gos.
nauchno-tekhn.izd-vo mashinostroit.lit-ry. Vol.2. 1961. 479 p.
(MIRA 15:2)

(Machinery industry)

Ashurkov, V.

Subject : USSR/Aeronautics AID P - 898
Card 1/1 Pub. 135 - 8/19
Author : Ashurkov, V., Major of the Technical Service
Title : ~~Some problems in training students of engineering schools~~
Periodical : Vest. vozd. flota, 5, 35-40, My 1954
Abstract : The author describes the training of students of technical services in maintenance of piston-engine and jet aircraft. He cites examples of the procedure in units and mentions names of officers.
Institution : None
Submitted : No date

ASHUNKOV, V.I.: STRASHKO, A. YA.: KHODOV, M.P.

Cranes, Derricks, etc.

Diesel-electric railway crane SK-25 Mekh. trud. rab. no. 6, 1952.

Monthly List of Russian Accessions, Library of Congress, August 1952. Unclassified.

ASHURKOV, V.I., inzhener, laureat Stalinskoy premii; STRASHKO, A.Ya., inzhener,
laureat Stalinskoy premii; KHOLOV, M.P., inzhener, laureat Stalinskoy
premi; PODLYASHCHUK, L.A., inzhener.

The SKG-25 diesel electric caterpillar crans. Mekh.trud.rab. 9 no.4:
24-26 Ap '55. (MIRA 8:7)
(Cranes, derricks, etc.)

ASHURKOV, Vitaliy Ivanovich; KROMASH, I.L., inzh., red.

[Construction and assembly cranes for industrial construction; from materials of the "Design Office of the Main Administration for the Production and Assembly of Steel Elements" of the Ministry of Construction of the R.S.F.S.R.] Stroitel'no-montazhnye krany dlia promyshlennogo stroitel'stva; po materialam PI "Promstal'konstruktsiia" Ministerstva stroitel'stva RSFSR. Moskva, Gosstroizdat, 1961. 91 p. (MIRA 15:9)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu. Byuro tekhnicheskoy informatsii. 2. Glavnyy konstruktor proyekta TsEKBstroymekhavtomatika (for Ashurkov).
(Cranes, derricks, etc.)